What is claimed is:

- 1. A method of detecting the presence of prion protein in a sample comprising contacting said sample with an agent which binds to the amino acid sequence Gln-Pro-His of prion protein and detecting said agent bound to said prion protein.
- 2. The method of Claim 1 wherein the prion protein is Prp^c protein, Prp^{sc} protein, or a variant thereof.
- 3. The method of Claim 1 wherein the agent is a protein, peptide, polypeptide, nucleic acid, non-peptide organic molecule or organic reagent.
 - 4. The method of Claim 3 wherein the protein is streptavidin.
- 5. The method of Claim 4 wherein the streptavidin is bound to a detectable marker.
- 6. The method of Claim 5 wherein the detectable marker is selected from the group consisting of a fluorescence marker, an enzyme, or a radiolabeled marker.
 - 7. The method of Claim 6 wherein the enzyme is phosphatase.
- 8. The method of Claim 1 wherein said sample is blood, plasma, serum, cerebrospinal fluid, brain tissue, cornea tissue, urine, fecal matter, soil, bone meal, beef, beef by-products, sheep, sheep by-products, deer, deer by-products, elk, elk by-products, water or milk.

- 9. The method of Claim 1 wherein the prion protein is detected by electrophoretic separation on a denaturing gel.
- 10. The method of Claim 9, wherein the denaturing gel is a urea polyacrylamide gel.
- 11. A method of isolating prion protein in a sample comprising contacting said sample with an agent which binds to the amino acid sequence Gln-Pro-His of prion protein under conditions permitting said agent to bind to prion protein and isolating prion protein bound to said agent.
- 12. The method of Claim 11 wherein the prion protein is PrP^c protein, PrP^{sc} protein, or a variant thereof.
- 13. The method of Claim 11 wherein the agent is a protein, peptide, polypeptide, nucleic acid, non-peptide organic molecule or an organic reagent.
 - 14. The method of Claim 13 wherein the protein is streptavidin.
- 15. The method of Claim 14 wherein the streptavidin is bound to a detectable marker.
- 16. The method of Claim 15 wherein the detectable marker is selected from the group consisting of a fluorescence marker, an enzyme, or a radiolabeled marker.
 - 17. The method of Claim 16 wherein the enzyme is phosphatase.

- 18. The method of Claim 11 wherein the agent which binds to the amino acid sequence Gln-Pro-His is bound to a solid support.
- 19. A prion protein detectable kit comprising an agent which binds to the amino acid sequence Gln-Pro-His of prion protein.
- 20. The kit of Claim 19 wherein the prion protein is PrP^c protein, PrP^{sc} protein, or a variant thereof.
- 21. The kit of Claim 19 wherein the agent is a protein, peptide, polypeptide, nucleic acid, non-peptide organic molecule or organic reagent.
 - 22. The kit of Claim 19 wherein the agent is streptavidin.
- 23 ³ 22. The kit of Claim 22 wherein the streptavidin is bound to a detectable marker.
- 24 23. The kit of Claim 22 wherein the detectable marker is selected from the group consisting of a fluorescence marker, an enzyme, or a radiolabeled marker.
- 25 24. The kit of Claim 23 wherein the enzyme is phosphatase.
- 26 26. A method for diagnosing a disease condition caused by an infectious prion protein in a subject comprising the steps of:
- (a) contacting a biological sample from the subject with an agent which binds to the amino acid sequence Gln-Pro-His of prion protein; and

- (b) detecting formation of a complex between said prion protein and said agent, if present in said biological sample.
- 27.26. The method of Claim 25 wherein the prion protein is Prp^c protein, Prp^{sc} protein, or a variant thereof.
- 28 27. The method of Claim 25 wherein the agent is a protein, peptide, polypeptide, nucleic acid, non-peptide organic molecule or an organic reagent.
 - 29 28. The method of Claim 27 wherein the protein is streptavidin.
- 30 29. The method of Claim 25 wherein said biological sample is blood, plasma, serum, cerebrospinal fluid, brain tissue, cornea tissue, urine or fecal matter.
- 31 36. A method for treating or preventing a disease condition caused by an infectious prion protein in a subject comprising administering to said subject an amount of an agent which binds to the amino acid sequence Gln-Pro-His of prion protein effective to treat or prevent the prion disease.
- 32 31. The method of Claim 30 wherein the agent is a protein, peptide, polypeptide, nucleic acid, non-peptide organic molecule or organic reagent.
- 33 32. The method of Claim 30, wherein the prion disease is Creutzfeld-Jakob disease, variant Creutzfeld-Jakob disease, Gerstmann-Sträussler-Scheinker disease, fatal familial insomnia, scrapie, bovine

spongiform encephalopathy (mad cow disease), transmissible mink encephalopathy, feline spongiform encephalopathy, exotic ungulate encephalopathy, or chronic wasting disease.

- 34.33. A method for inhibiting the dissemination of prion protein disease comprising inactivating streptavidin that may be contained in a physical substance by treating the physical substance with an amount of biotin, or a derivative thereof, effective to bind to the streptavidin, if present in the physical substance.
- 35, 34. The method of Claim 33, wherein the physical substance is a liquid or a solid substance.
- 36 35. The method of Claim 33, wherein the liquid substance is water, milk or juice.
- 37,36. The method of Claim 34, wherein the solid substance is meat, meat by-products, animal feed, or soil.
- 38 37. A method for treating a prion disease in a subject comprising administering to the subject an amount of biotin, or a derivative thereof, effective to treat the prion disease in the subject.
- 39 38. The method of Claim 37, wherein the prion disease is Creutzfeld-Jakob disease, variant Creutzfeld-Jakob disease, Gerstmann-Sträussler-Scheinker disease, fatal familial insomnia, scrapie, bovine spongiform encephalopathy (mad cow disease), transmissible mink encephalopathy, feline spongiform encephalopathy, exotic ungulate encephalopathy, or chronic wasting disease.

- 40 39. The method of Claim 37 wherein the biotin is administered intravenously or by ingestion.
- 4 | 40. The method of Claim 37, wherein the subject is a human or an animal.
- 42 41. A method for screening for an agent which binds to the amino acid sequence Gln-Pro-His of the human prion protein comprising detecting the presence of the agent bound to the prion protein.
- 43 42. A method for screening for an agent that binds to two or more prion proteins comprising the steps of (1) combining infectious and non-infectious prion protein to form a protein mixture; (2) adding to the protein mixture a sample containing a potential agent that binds to two or more prion proteins; and (3) comparing the resulting levels of infectious and non-infectious prion protein to the initial levels combined.